9/16/04

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 4	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 5	FEB 05	German (DE) application and patent publication number format changes
NEWS 6	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS 7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS 8	MAR 03	FRANCEPAT now available on STN
NEWS 9	MAR 29	Pharmaceutical Substances (PS) now available on STN
NEWS 10	MAR 29	WPIFV now available on STN
NEWS 11	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS 12	APR 26	PROMT: New display field available
NEWS 13	APR 26	IFIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS 14	APR 26	LITALERT now available on STN
NEWS 15	APR 27	NLDB: New search and display fields available
NEWS 16	May 10	PROUSDDR now available on STN
NEWS 17	May 19	PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS 18	May 12	EXTEND option available in structure searching
NEWS 19	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20	May 17	FRFULL now available on STN
NEWS 21	May 27	STN User Update to be held June 7 and June 8 at the SLA 2004 Conference
NEWS 22	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 23	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 24	May 27	Explore APOLLIT with free connect time in June 2004

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

10627991

9/16/04

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 16:15:37 ON 28 MAY 2004

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:15:58 ON 28 MAY 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 MAY 2004 HIGHEST RN 686710-55-4
DICTIONARY FILE UPDATES: 27 MAY 2004 HIGHEST RN 686710-55-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

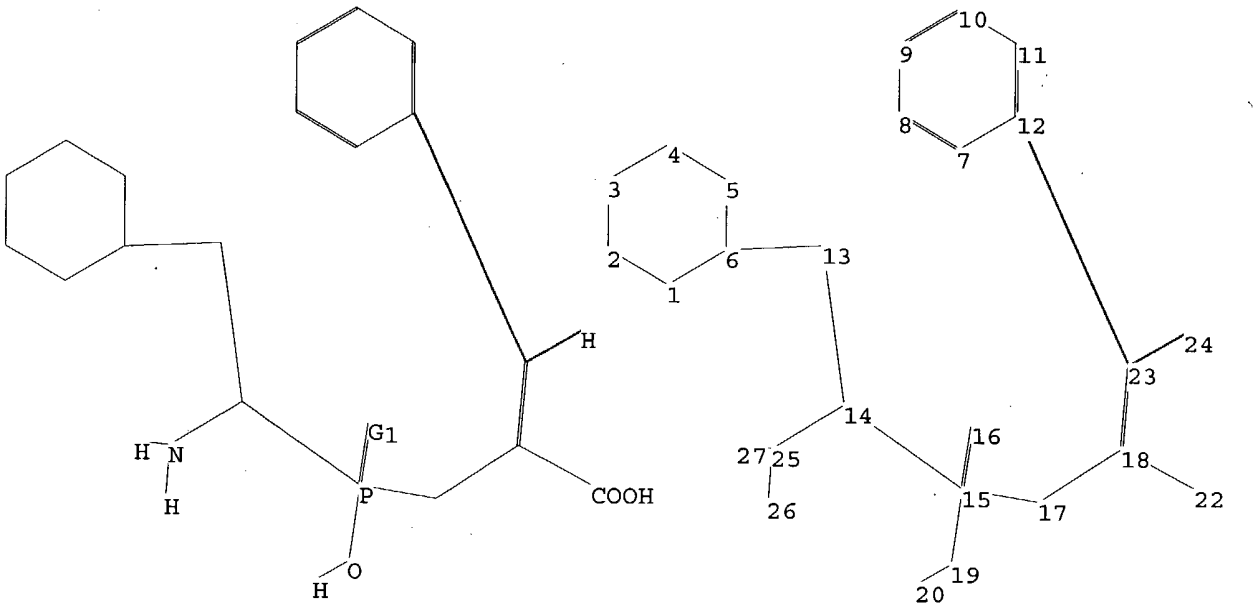
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Stnexp4 corrupted\QUERIES\10627991.str

9/16/04



chain nodes :
13 14 15 16 17 18 19 20 22 23 24 25 26 27
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
6-13 12-23 13-14 14-15 14-25 15-16 15-17 15-19 17-18 18-22 18-23 19-20
23-24 25-26 25-27
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 14-25 15-16 15-19
exact bonds :
6-13 12-23 13-14 14-15 15-17 17-18 18-22 18-23 19-20 23-24 25-26 25-27
normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12

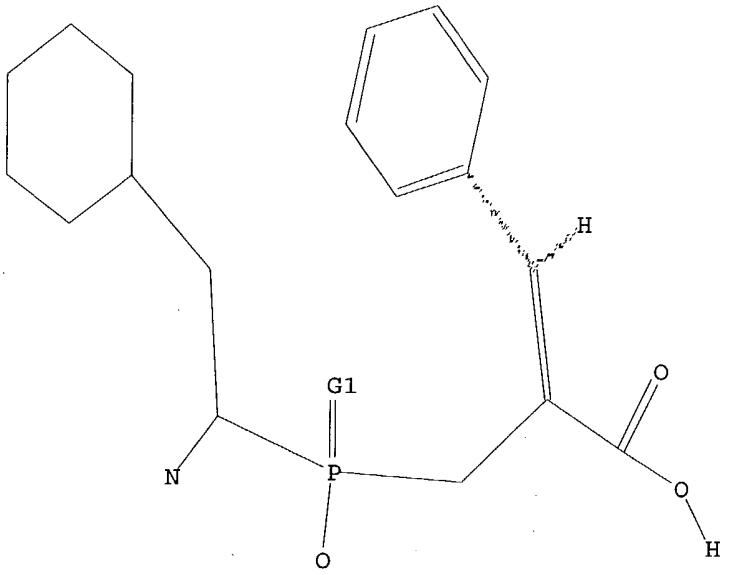
G1:O,S

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

9/16/04



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

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=> s l1
SAMPLE SEARCH INITIATED 16:16:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      3 TO ITERATE

100.0% PROCESSED        3 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            3 TO      163
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 16:16:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     46 TO ITERATE

100.0% PROCESSED       46 ITERATIONS                               21 ANSWERS
SEARCH TIME: 00.00.01

L3            21 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             155.42     155.63

FILE 'CAPLUS' ENTERED AT 16:16:30 ON 28 MAY 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
```

9/16/04

FILE COVERS 1907 - 28 May 2004 VOL 140 ISS 23
FILE LAST UPDATED: 27 May 2004 (20040527/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 2 L3

=> d abs bib hitstr 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AB Aminophosphinic acid derivs. were synthesized as potential inhibitors of renal dipeptidase, an enzyme overexpressed in benign and malignant colon tumors. Compds. wee synthesized using the Witting-Horner reaction. Several compds. showed potent and reversible enzyme-inhibitory activity. These stable mols. with tetrahedral phosphorus species mimic the tetrahedral intermediate of the reaction catalyzed by renal dipeptidase. These compds. can be used therapeutically and diagnostically for treatment and detection of tumors.

AN 2004:100920 CAPLUS

DN 140:141702

TI Design and synthesis of aminophosphinic acid derivatives as renal dipeptidase inhibitors and antitumor agents

IN Khan, Saeed R.; Vogelstein, Bert; Kinzler, Kenneth W.; Gurulingappa, Hallur; Buckhaults, Phillip

PA The Johns Hopkins School of Medicine, USA

SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004010846	A2	20040205	WO 2003-US23363	20030728
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2004091422	A1	20040513	US 2003-627991	20030728
PRAI	US 2002-398653P	P	20020727		
	US 2002-427266P	P	20021118		
	US 2002-437270P	P	20021230		

OS MARPAT 140:141702

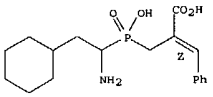
IT **533935-35-2P 533935-36-3P 533935-37-4P**
533935-38-5P 653572-06-6P 653572-07-7P
653572-08-8P 653572-09-9P 653572-10-2P
653572-11-3P 653572-12-4P 653572-13-5P
653572-14-6P 653572-15-7P 653572-16-8P
653572-17-9P 653572-18-0P 653572-19-1P
653572-20-4P 653572-21-5P 653572-22-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(design and synthesis of aminophosphinic acid derivs. as renal dipeptidase inhibitors and antitumor agents)

RN 533935-35-2 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
3-phenyl-, (2Z)- (9CI) (CA INDEX NAME)

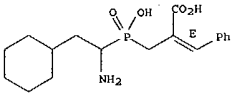
Double bond geometry as shown.



RN 533935-36-3 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-phenyl-, (2E)- (9CI) (CA INDEX NAME)

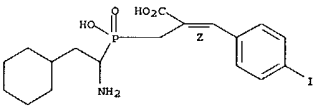
Double bond geometry as shown.



RN 533935-37-4 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

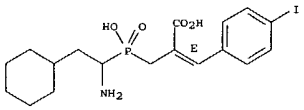


RN 533935-38-5 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

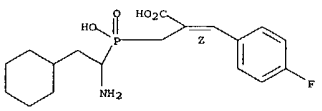
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 653572-06-6 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-fluorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

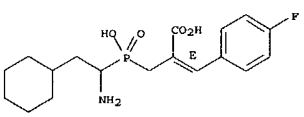
Double bond geometry as shown.



RN 653572-07-7 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-fluorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

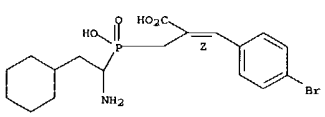
Double bond geometry as shown.



RN 653572-08-8 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-bromophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

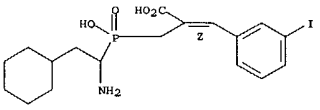


L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 653572-09-9 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

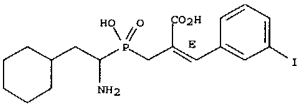
Double bond geometry as shown.



RN 653572-10-2 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

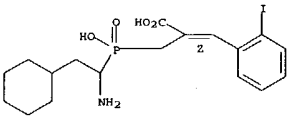
Double bond geometry as shown.



RN 653572-11-3 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(2-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

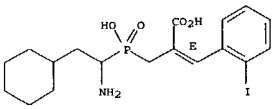


RN 653572-12-4 CAPLUS

CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(2-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

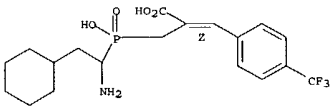
Double bond geometry as shown.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



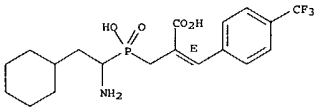
RN 653572-13-5 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-[4-(trifluoromethyl)phenyl]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-14-6 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-[4-(trifluoromethyl)phenyl]-, (2E)- (9CI) (CA INDEX NAME)

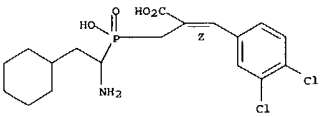
Double bond geometry as shown.



RN 653572-15-7 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3,4-dichlorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

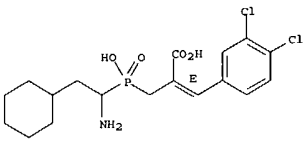
Double bond geometry as shown.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



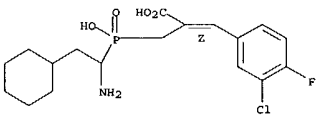
RN 653572-16-8 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3,4-dichlorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-17-9 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-chloro-4-fluorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

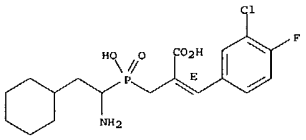
Double bond geometry as shown.



RN 653572-18-0 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-chloro-4-fluorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

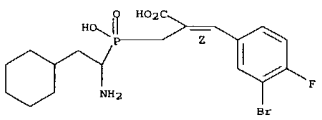
Double bond geometry as shown.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



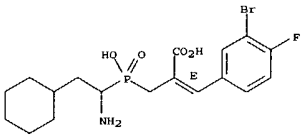
RN 653572-19-1 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-bromo-4-fluorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-20-4 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-bromo-4-fluorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

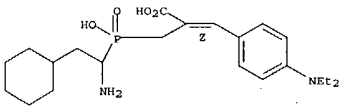
Double bond geometry as shown.



RN 653572-21-5 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-[4-(diethylamino)phenyl]-, (2Z)- (9CI) (CA INDEX NAME)

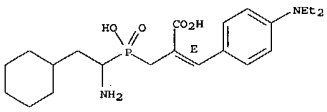
Double bond geometry as shown.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 653572-22-6 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-[4-(diethylamino)phenyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AB Aminophosphinic acid derivs. were synthesized as potential inhibitors of renal dipeptidase (RDP), an enzyme over-expressed in benign and malignant colon tumors, and several compds. showed potent enzyme-inhibitory activity. In an example reaction, (E)-[BocNH(C6H11CH2)CH]P(O)(OMe)[CH2C(CO2Me):CHPh] was prepared in two steps from [BocNH(C6H11CH2)CH]P(O)(OMe)H and hydrolyzed to (E)-[NH2(C6H11CH2)CH]P(O)(OH)[CH2C(CO2H):CHPh].

AN 2003:114414 CAPLUS

DN 139:6950

TI Design, synthesis and evaluation of new RDP inhibitors

AU Gurulingappa, Hallur; Buckhaults, Phillip; Kumar, Srinivas K.; Kinzler, Kenneth W.; Vogelatein, Bert; Khan, Saeed R.

CS The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, Baltimore, MD, 21231, USA

SO Tetrahedron Letters (2003), 44(9), 1871-1873
CODEN: TELEAY; ISSN: 0040-4039

PB Elsevier Science Ltd.

DT Journal

LA English

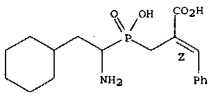
OS CASREACT 139:6950

IT **533935-35-2P 533935-36-3P 533935-37-4P**
533935-38-5P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(RDP inhibition activity; stereoselective preparation and RDP inhibition activity of aminophosphinic acid derivs.)

RN 533935-35-2 CAPLUS

CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-phenyl-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

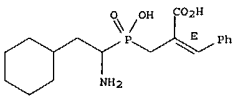


RN 533935-36-3 CAPLUS

CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-phenyl-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

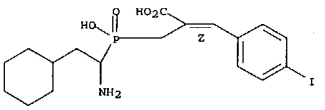
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 533935-37-4 CAPLUS

CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(4-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

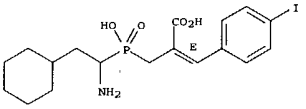
Double bond geometry as shown.



RN 533935-38-5 CAPLUS

CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(4-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS                                    SINCE FILE     TOTAL
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FULL ESTIMATED COST                                           9.95    165.58

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CA SUBSCRIBER PRICE                                          -1.39     -1.39

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     (FILE 'HOME' ENTERED AT 16:15:37 ON 28 MAY 2004)

     FILE 'REGISTRY' ENTERED AT 16:15:58 ON 28 MAY 2004
L1              STRUCTURE UPLOADED
L2            0 S L1
L3           21 S L1 FUL

     FILE 'CAPLUS' ENTERED AT 16:16:30 ON 28 MAY 2004
L4            2 S L3

     FILE 'USPATFULL, USPAT2' ENTERED AT 16:16:53 ON 28 MAY 2004

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L5            0 L3

=> file uspatall
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L6            0 L3

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COST IN U.S. DOLLARS                                    SINCE FILE     TOTAL
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9/16/04

CA SUBSCRIBER PRICE 0.00 -1.39

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NEWS 13	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS 14	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
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NEWS 17	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS 18	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS 19	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS 20	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 21	SEP 14	STN Patent Forum to be held October 13, 2004, in Iselin, NJ

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9/16/04

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DICTIONARY FILE UPDATES:  14 SEP 2004  HIGHEST RN 744786-72-9

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Experimental and calculated property data are now available. For more
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http://www.cas.org/ONLINE/DBSS/registryss.html

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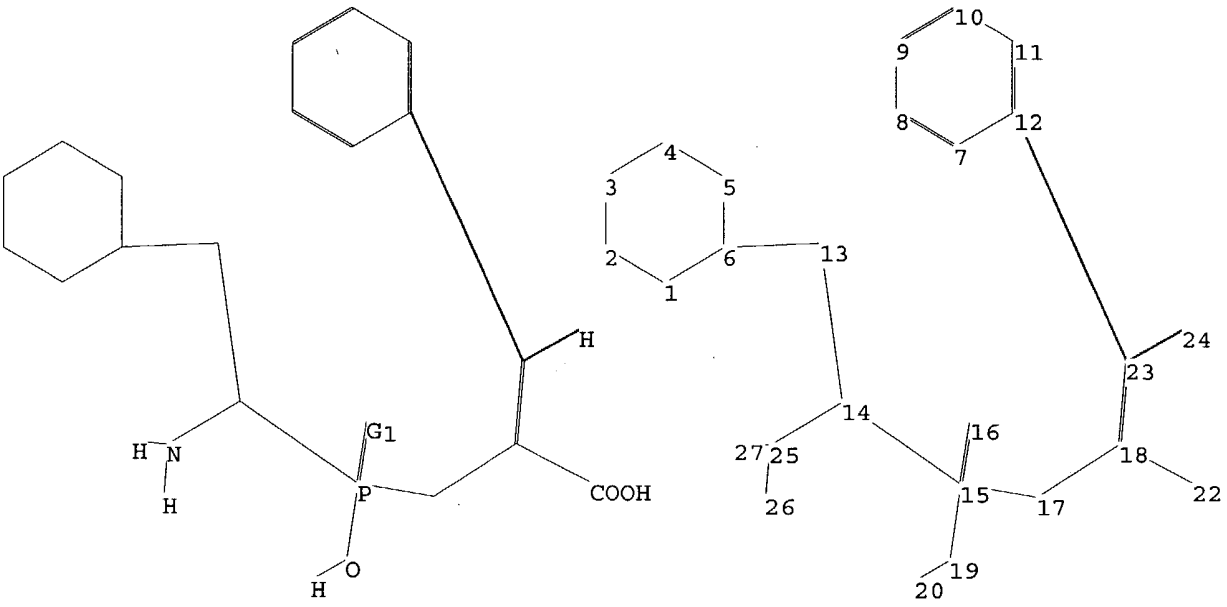
9/16/04



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ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
6-13 12-23 13-14 14-15 14-25 15-16 15-17 15-19 17-18 18-22 18-23 19-20
23-24 25-26 25-27
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 14-25 15-16 15-19
exact bonds :
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normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12

G1:O,S

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED -      3 TO ITERATE

100.0% PROCESSED       3 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            3 TO      163
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA SSS SAM L1

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100.0% PROCESSED      47 ITERATIONS                               22 ANSWERS
SEARCH TIME: 00.00.01

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FILE COVERS 1907 - 16 Sep 2004  VOL 141 ISS 12
FILE LAST UPDATED: 15 Sep 2004  (20040915/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

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9/16/04

L4 3 L3

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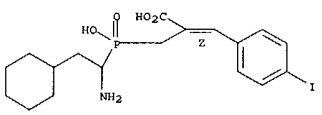
L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AB Renal dipeptidase (RDP) is an enzyme overexpressed in benign and malignant colorectal tumors. In an effort to identify potent inhibitors of this enzyme, aminophosphinic acid derivs. were synthesized. C6H11CH2CH(NH2)P(O)(OH)CH2C(CO2H):CHC6H2R1R2R3 (e.g., R1 = R2 = H, R3 = 4-F, 3a and 4-Br 3c) in which the Ph ring was para substituted with F and Br and olefin with Z geometry, showed better inhibitory activity against RDP enzyme (IC50 = 5-6 nM).

AN 2004:465506 CAPLUS
DN 141:157215
TI Synthesis and evaluation of aminophosphinic acid derivatives as inhibitors of renal dipeptidase
AU Gurulingappa, Hallur; Buckhalts, Phillip; Kinzler, Kenneth W.; Vogelstein, Bert; Khan, Saeed R.
CS The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, Baltimore, MD, 21231, USA
SO Bioorganic & Medicinal Chemistry Letters (2004), 14(13), 3531-3533
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science B.V.
DT Journal
LA English
IT **533935-37-4P 533935-38-5P 653572-06-6P 653572-07-7P 653572-08-8P 653572-09-9P 653572-10-2P 653572-11-3P 653572-12-4P 653572-13-5P 653572-14-6P 653572-15-7P 653572-16-8P 653572-17-9P 653572-18-0P 653572-19-1P 653572-20-4P 653572-21-5P 653572-22-6P 728032-33-5P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aminophosphinic acid derivs. as renal dipeptidase inhibitors from Wittig-Horner olefination with aromatic aldehydes of intermediate made from protected amino(cyclohexylethyl)phosphinate and trimethylphosphonoacrylate)

RN 533935-37-4 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(4-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

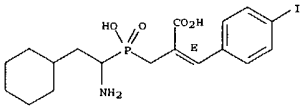
Double bond geometry as shown.



L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

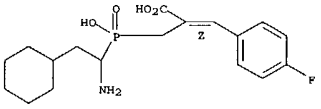
RN 533935-38-5 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(4-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



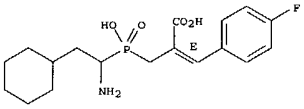
RN 653572-06-6 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(4-fluorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-07-7 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(4-fluorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

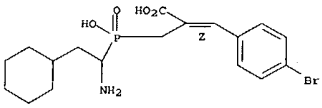
Double bond geometry as shown.



RN 653572-08-8 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(4-bromophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

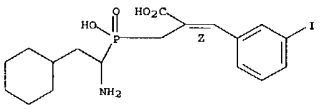
L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

Double bond geometry as shown.



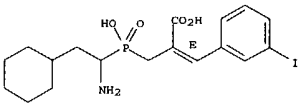
RN 653572-09-9 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(3-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



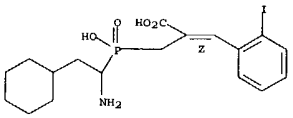
RN 653572-10-2 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(3-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-11-3 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(2-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

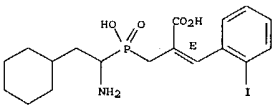
Double bond geometry as shown.



L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

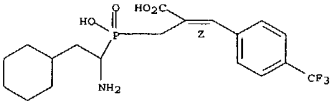
RN 653572-12-4 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(2-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



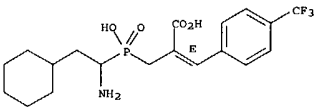
RN 653572-13-5 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-[4-(trifluoromethyl)phenyl]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-14-6 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-[4-(trifluoromethyl)phenyl]-, (2E)- (9CI) (CA INDEX NAME)

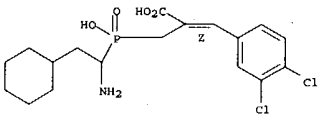
Double bond geometry as shown.



RN 653572-15-7 CAPLUS
CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-(3,4-dichlorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

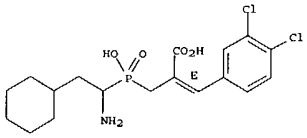
Double bond geometry as shown.

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



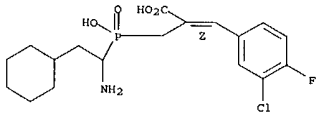
RN 653572-16-8 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3,4-dichlorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-17-9 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-chloro-4-fluorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

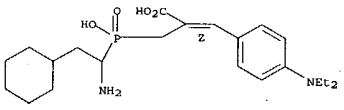
Double bond geometry as shown.



RN 653572-18-0 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-chloro-4-fluorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

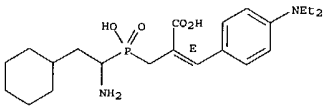
Double bond geometry as shown.

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



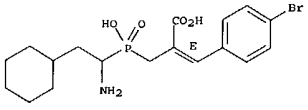
RN 653572-22-6 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-[4-(diethylamino)phenyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



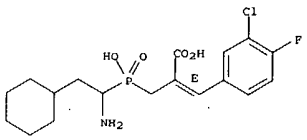
RN 728032-33-5 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-bromophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



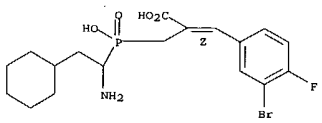
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



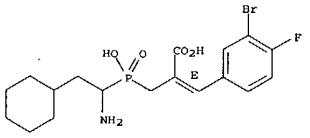
RN 653572-19-1 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-bromo-4-fluorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-20-4 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-bromo-4-fluorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-21-5 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-[4-(diethylamino)phenyl]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AB Aminophosphinic acid derivs. were synthesized as potential inhibitors of renal dipeptidase, an enzyme overexpressed in benign and malignant colon tumors. Compds. wee synthesized using the Witting-Horner reaction. Several compds. showed potent and reversible enzyme-inhibitory activity. These stable mole. with tetrahedral phosphorus species mimic the tetrahedral intermediate of the reaction catalyzed by renal dipeptidase. These compds. can be used therapeutically and diagnostically for treatment and detection of tumors.

AN 2004:100920 CAPLUS
DN 140:141702
TI Design and synthesis of aminophosphinic acid derivatives as renal dipeptidase inhibitors and antitumor agents
IN Khan, Saeed R.; Vogelstein, Bert; Kinzler, Kenneth W.; Gurulingappa, Hallur; Buckhaults, Phillip
PA The Johns Hopkins School of Medicine, USA
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

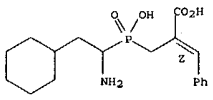
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004010846	A2	20040205	WO 2003-US23363	20030728
	WO 2004010846	A3	20040812		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2004091422	A1	20040513	US 2003-627991	20030728
PRAI	US 2002-398653P	P	20020727		
	US 2002-427266P	P	20021118		
	US 2002-437270P	P	20021230		

OS MARPAT 140:141702
IT **533935-35-2P 533935-36-3P 533935-37-4P**
533935-38-5P 653572-06-6P 653572-07-7P
653572-08-8P 653572-09-9P 653572-10-2P
653572-11-3P 653572-12-4P 653572-13-5P
653572-14-6P 653572-15-7P 653572-16-8P
653572-17-9P 653572-18-0P 653572-19-1P
653572-20-4P 653572-21-5P 653572-22-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(design and synthesis of aminophosphinic acid derivs. as renal dipeptidase inhibitors and antitumor agents)

RN 533935-35-2 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-phenyl-, (2Z)- (9CI) (CA INDEX NAME)

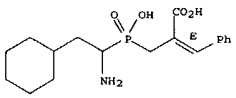
Double bond geometry as shown.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



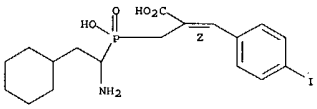
RN 533935-36-3 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-phenyl-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 533935-37-4 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

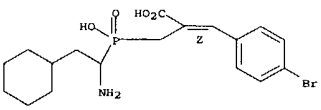
Double bond geometry as shown.



RN 533935-38-5 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

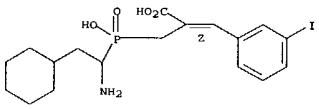
Double bond geometry as shown.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



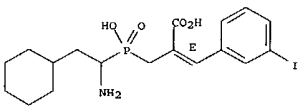
RN 653572-09-9 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



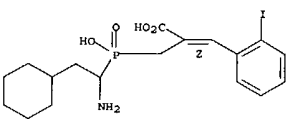
RN 653572-10-2 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

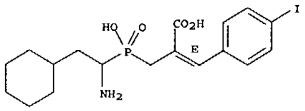


RN 653572-11-3 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(2-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

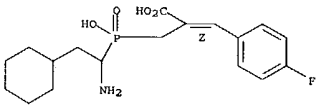


L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



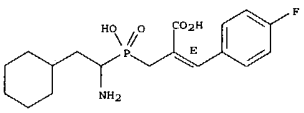
RN 653572-06-6 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-fluorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-07-7 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-fluorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



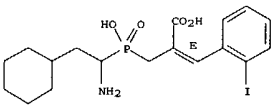
RN 653572-08-8 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-bromophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

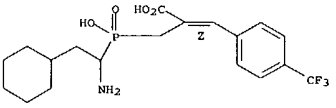
RN 653572-12-4 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(2-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



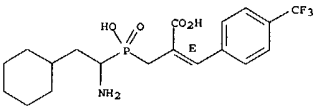
RN 653572-13-5 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-[4-(trifluoromethyl)phenyl]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-14-6 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-[4-(trifluoromethyl)phenyl]-, (2E)- (9CI) (CA INDEX NAME)

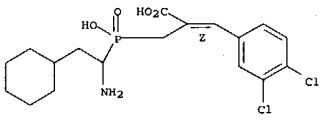
Double bond geometry as shown.



RN 653572-15-7 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3,4-dichlorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

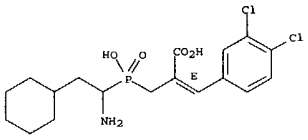
Double bond geometry as shown.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



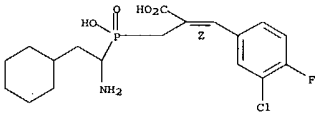
RN 653572-16-8 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3,4-dichlorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-17-9 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-chloro-4-fluorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

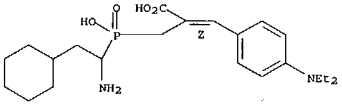
Double bond geometry as shown.



RN 653572-18-0 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-chloro-4-fluorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

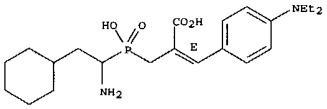
Double bond geometry as shown.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

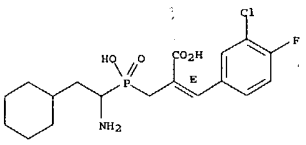


RN 653572-22-6 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-[4-(diethylamino)phenyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

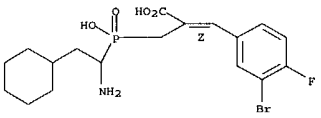


L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



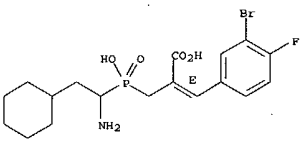
RN 653572-19-1 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-bromo-4-fluorophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-20-4 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(3-bromo-4-fluorophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 653572-21-5 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-[4-(diethylamino)phenyl]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

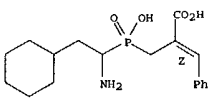
L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AB Aminophosphinic acid deriva. were synthesized as potential inhibitors of renal dipeptidase (RDP), an enzyme over-expressed in benign and malignant colon tumors, and several compds. showed potent enzyme-inhibitory activity. In an example reaction, (E)-[BocNH(C6H11CH2)CH]P(O)(OMe)[CH2C(CO2Me):CHPh] was prepared in two steps from [BocNH(C6H11CH2)CH]P(O)(OMe)H and hydrolyzed to (E)-[NH2(C6H11CH2)CH]P(O)(OH)[CH2C(CO2H):CHPh].

AN 2003:114414 CAPLUS
DN 139:6950
TI Design, synthesis and evaluation of new RDP inhibitors
AU Gurulingappa, Hallur; Buckhaults, Phillip; Kumar, Srinivas K.; Kinzler, Kenneth W.; Vogelstein, Bert; Khan, Saeed R.
CS The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, Baltimore, MD, 21231, USA
SO Tetrahedron Letters (2003), 44(9), 1871-1873
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 139:6950
IT **533935-35-2P 533935-36-3P 533935-37-4P**
533935-38-5P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(RDP inhibition activity; stereoselective preparation and RDP inhibition activity of aminophosphinic acid deriva.)

RN 533935-35-2 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-phenyl-, (2Z)- (9CI) (CA INDEX NAME)

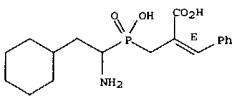
Double bond geometry as shown.



RN 533935-36-3 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-phenyl-, (2E)- (9CI) (CA INDEX NAME)

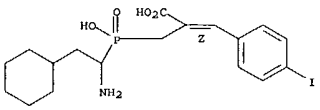
Double bond geometry as shown.

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



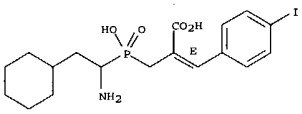
RN 533935-37-4 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-iodophenyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 533935-38-5 CAPLUS
CN 2-Propenoic acid,
2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-
3-(4-iodophenyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

9/16/04

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                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        15.16     170.79

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                        -2.10      -2.10

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=> s l3
L5            1 L3

=> d abs bib fhitstr
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L5 ANSWER 1 OF 1 USPATFULL on STN

AB Aminophosphinic acid derivatives were synthesized as potential inhibitors of renal dipeptidase, an enzyme overexpressed in benign and malignant colon tumors. Several compounds showed potent enzyme-inhibitory activity. These compounds can be used therapeutically and diagnostically for treatment and detection of tumors.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2004:120017 USPATFULL

TI Design and synthesis of renal dipeptidase inhibitors

IN Khan, Saeed R., Owings Mills, MD, UNITED STATES
Vogelstein, Bert, Baltimore, MD, UNITED STATES
Kinzler, Kenneth W., Bel Air, MD, UNITED STATES
Gurulingappa, Hallur, Baltimore, MD, UNITED STATES
Buckhaults, Phillip, Columbia, SC, UNITED STATES
PA The Johns Hopkins University, Baltimore, MD, UNITED STATES (U.S. corporation)

PI US 2004091422 A1 20040513
AI US 2003-627991 A1 20030728 (10)
PRAI US 2002-437270P 20021230 (60)
US 2002-427266P 20021118 (60)
US 2002-398653P 20020727 (60)
DT Utility
FS APPLICATION
LREP BANNER & WITCOFF, 1001 G STREET N W, SUITE 1100, WASHINGTON, DC, 20001
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN 5 Drawing Page(s)
LN.CNT 510

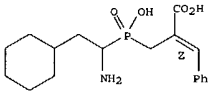
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **533935-35-2P**
(design and synthesis of aminophosphinic acid derivs. as renal dipeptidase inhibitors and antitumor agents)

RN 533935-35-2 USPATFULL

CN 2-Propenoic acid, 2-[[(1-amino-2-cyclohexylethyl)hydroxyphosphinyl]methyl]-3-phenyl-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



9/16/04

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	12.97	183.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.10

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